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#42
9/16/03
JH

September 15, 2003

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Facsimile Transmission19 pages including this page

TO: EXAMINER: LEONID M. FASTOVSKY
ART UNIT: 3742
Fax No.: (703) 872-9302

RE: U.S. Patent Application No. 10/029,533
HEATING ELEMENT FOR MICROFLUIDIC AND
MICROMECHANICAL APPLICATIONS
Attorney Docket No.: 01-RB-175 (850063.587)

☒ Urgent ☒ For Review ☒ Please Confirm Receipt ☐ Please Reply ASAP

Comments:

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ART UNIT: 3742

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RB1

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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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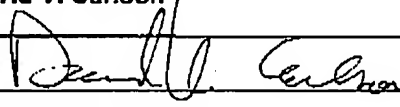
TRANSMITTAL FORM (To be used for all correspondence after initial filing)	Application Number	10/029,533
	Filing Date	December 20, 2001
	First Named Inventor	Gaetano Santoruvo
	Group Art Unit	3742
	Examiner Name	Leonid M. Fastovsky
	Attorney Docket No.	01-RB-075 (850063.587)

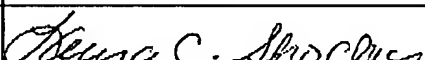
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ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement; Form PTO-1449 <input type="checkbox"/> Cited References <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53 <input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Request for Corrected Filing Receipt <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Declaration <input type="checkbox"/> Statement under 37 CFR 3.73(b) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund	<input type="checkbox"/> CD(s), Number of CD(s) _____ <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Return Receipt Postcard <input type="checkbox"/> Additional Enclosure(s) (please identify below): _____ _____ _____
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Individual Name	David V. Carlson	Customer Number 30423
Signature		
Date	September 15, 2003	

CERTIFICATE OF FACSIMILE		
I hereby certify that this paper is being facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.		
Typed or printed name	Laura C. Shockey	
Signature		Date: September 15, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 416735

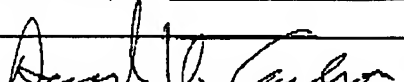
PTO/SB/17 (01-03)
Approved for use through 04/30/2003, OMB 0651-0032

<h2 style="text-align: center;">FEE TRANSMITTAL</h2> <h3 style="text-align: center;">for FY 2003</h3> <p style="text-align: center;"><i>Patent fees are subject to annual revision.</i></p>		Complete If Known		
		Application Number	10/029,533	
		Filing Date	December 20, 2001	
		First Named Inventor	Gaetano Santoruvo	
		Examiner Name	Leonid M. Fastovsky	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		Group Art Unit	3742	
TOTAL AMOUNT OF PAYMENT (\$)		230	Attorney Docket No.	01-RB-075 (850063.587)

METHOD OF PAYMENT	
<input checked="" type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input checked="" type="checkbox"/> Other	
<input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: 19-1090 Deposit Account Name: Seed Intellectual Property Law Group PLLC	
The Commissioner is authorized to (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee <input checked="" type="checkbox"/> Charge any deficiencies to the above-identified deposit account.	

FEE CALCULATION					
1. BASIC FILING FEE					
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$) 0
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE					
Total Claims	45	-43** =	2	Fee from below = 18	Fee Paid = 36
Independent Claims	4	-3** =	1	Fee from below = 84	Fee Paid = 84
Multiple Dependent					
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$) 120
**or number previously paid, if greater; For Reissues, see above					

FEE CALCULATION (continued)					
3. ADDITIONAL FEES					
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2520	1812	2520	For filing a request for ex parte reexamination	
1304	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1605	1640*	1605	1640*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	110
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1450	2254	725	Extension for reply within fourth month	
1255	1970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1510	1451	1510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavokable	
1453	1300	2453	650	Petition to revive - unintentional	
1601	1300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1480	130	1480	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee for provisional applications	
1806	180	1806	180	Submission of Information Disclosure Stmt.	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify) _____					
*Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$) 110

SUBMITTED BY				Customer Number
Name (Print/Type)	David V. Carlson	Registration No. Attorney/Agent	31,153	
Firm Name/Address				
Signature		Date	September 15, 2003	
				30423

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